

1/20

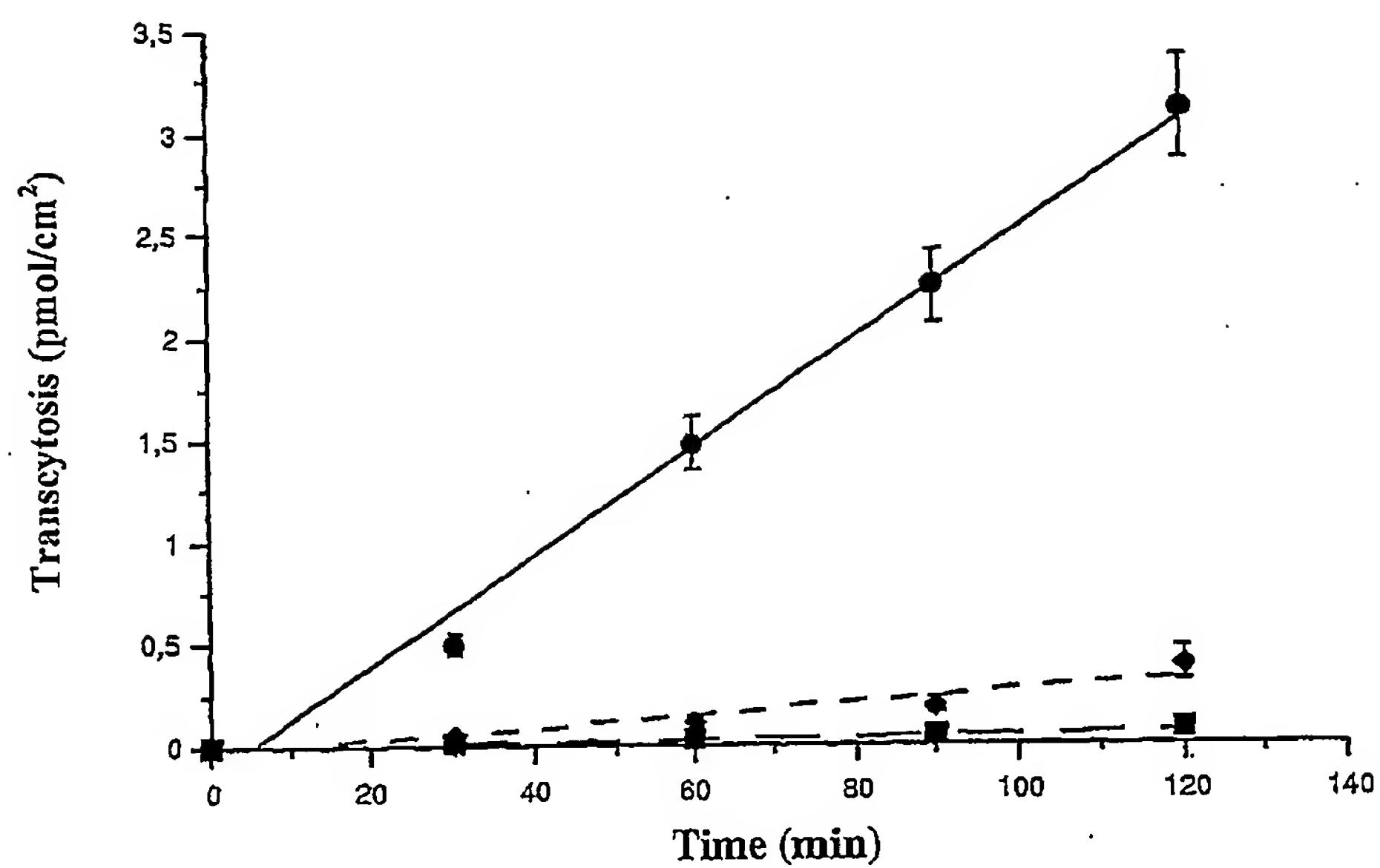


FIG. 1

10/541304

PCT/CA2004/000011

WO 2004/060403

2/20

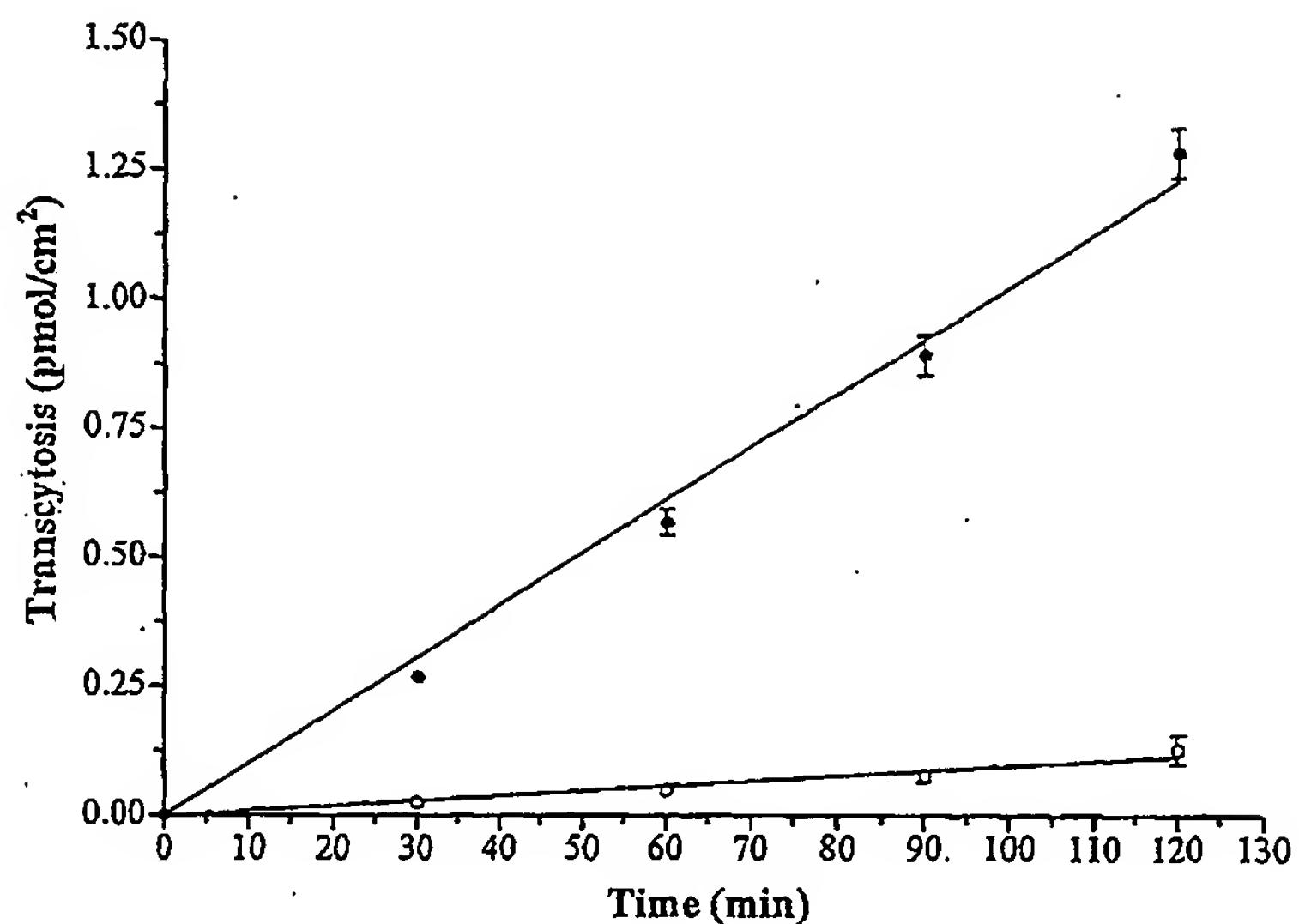


FIG. 2

10/541304

PCT/CA2004/000011

WO 2004/060403

3/20

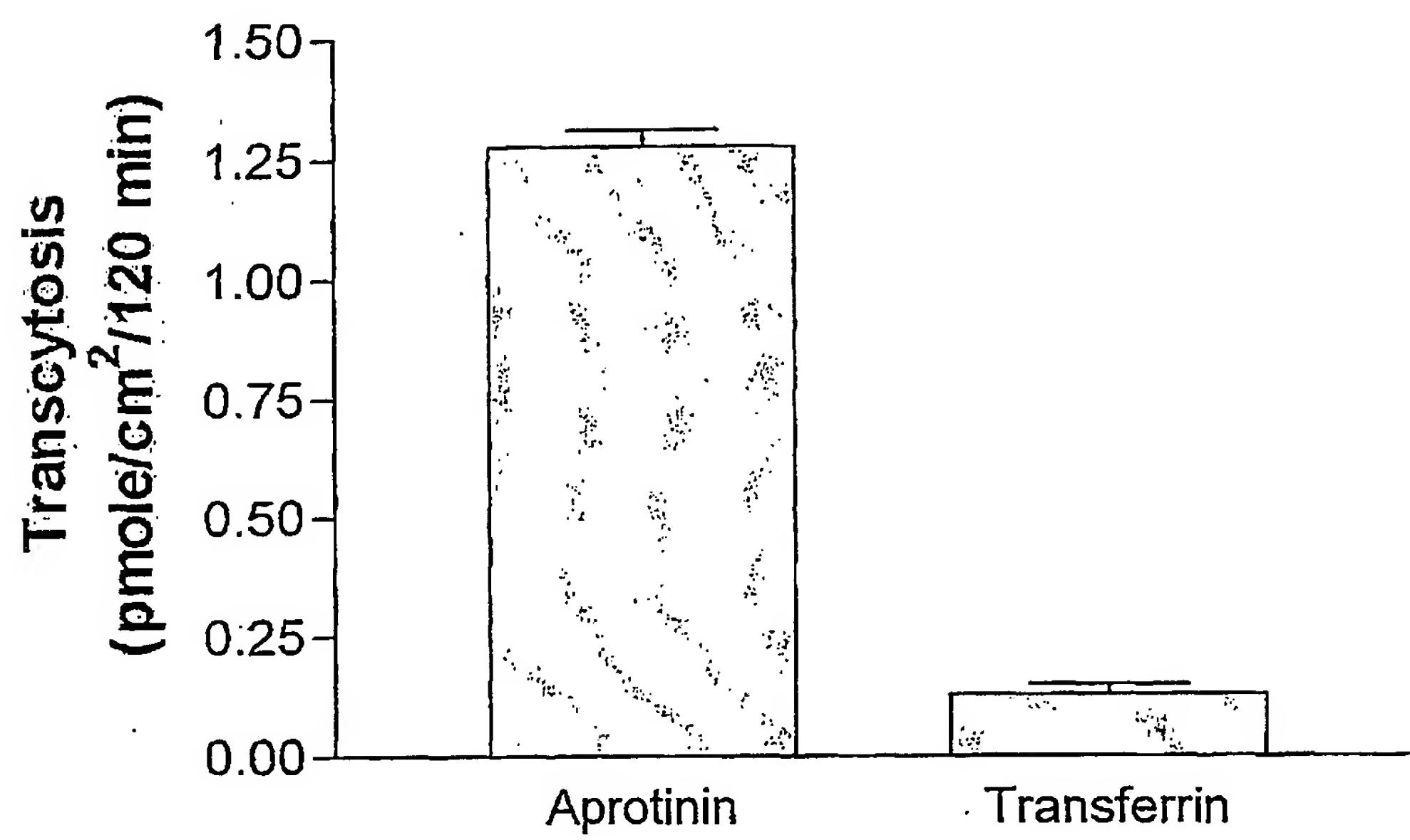


FIG. 3

4/20

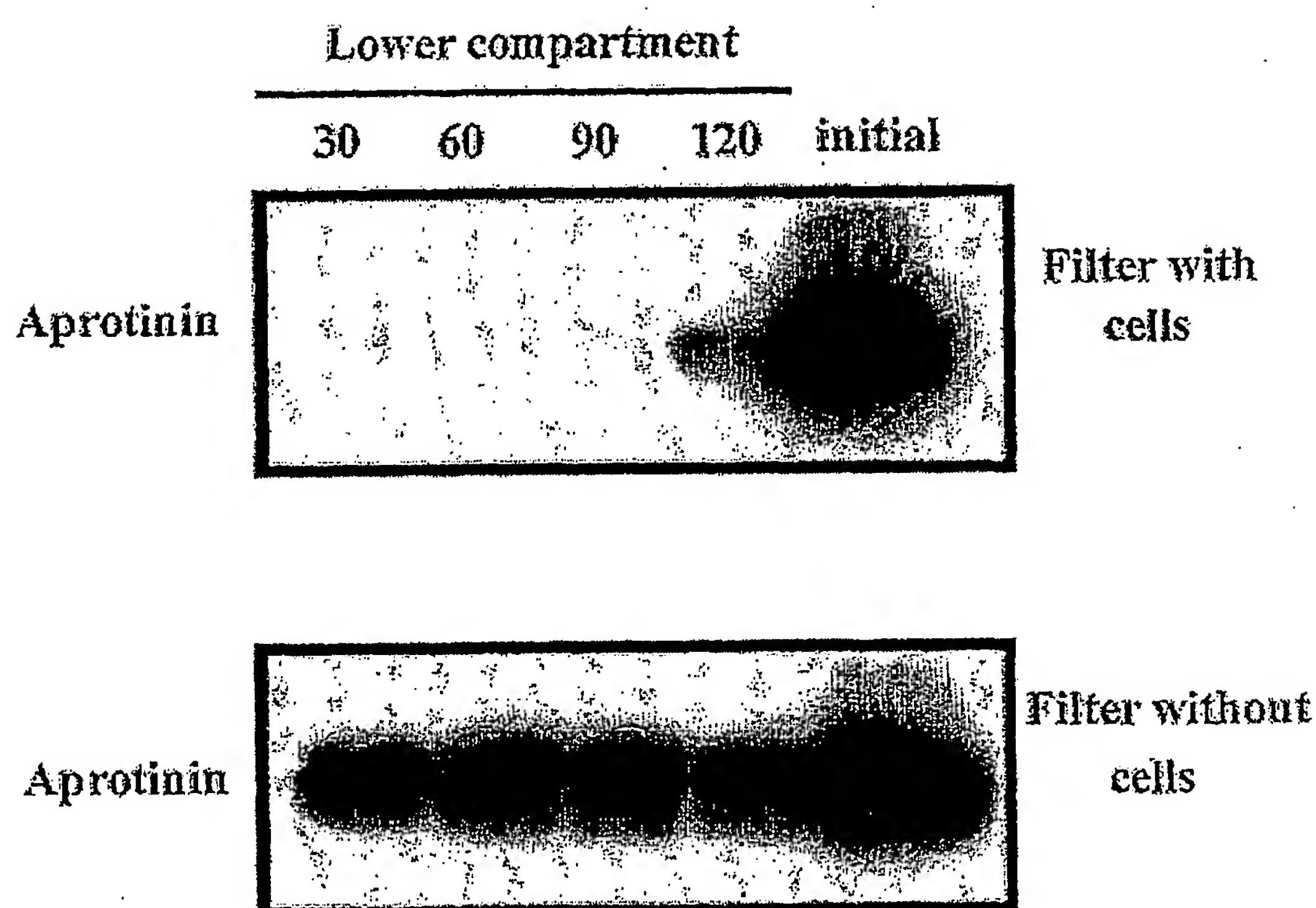


FIG. 4

5/20

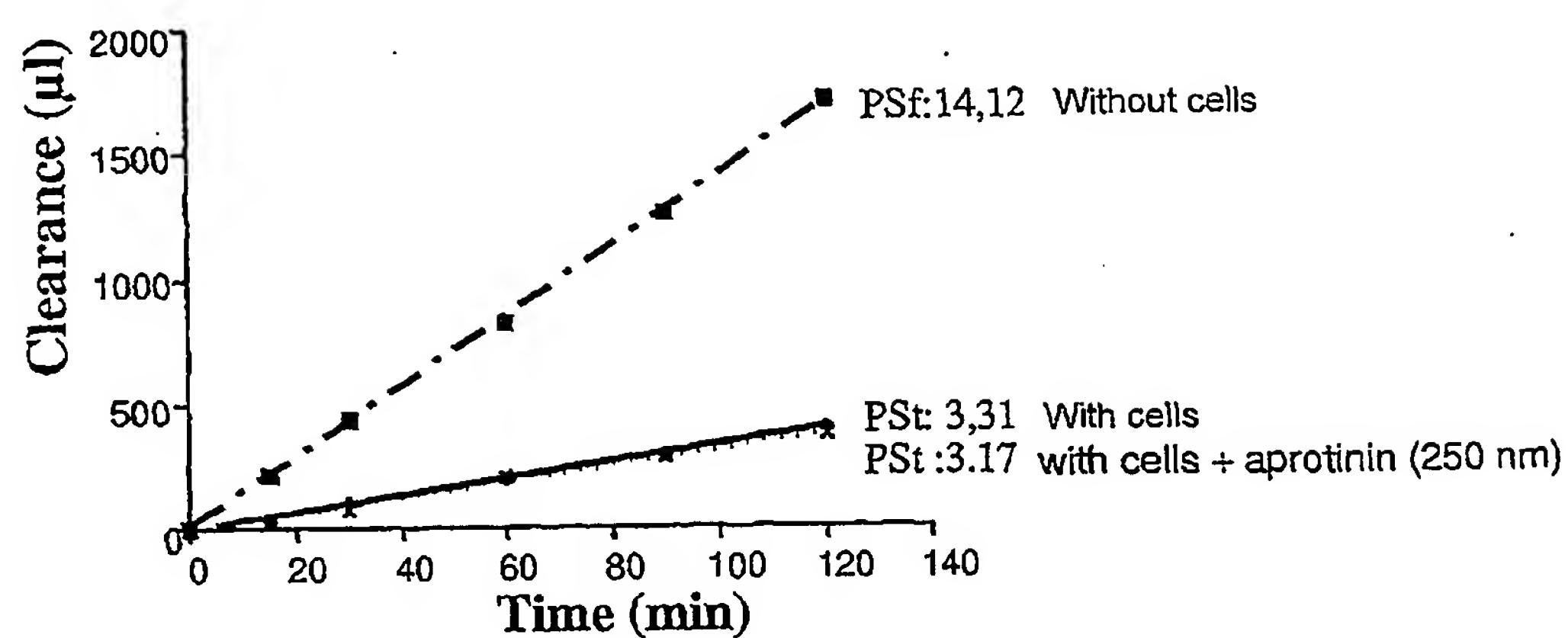


FIG. 5

6/20

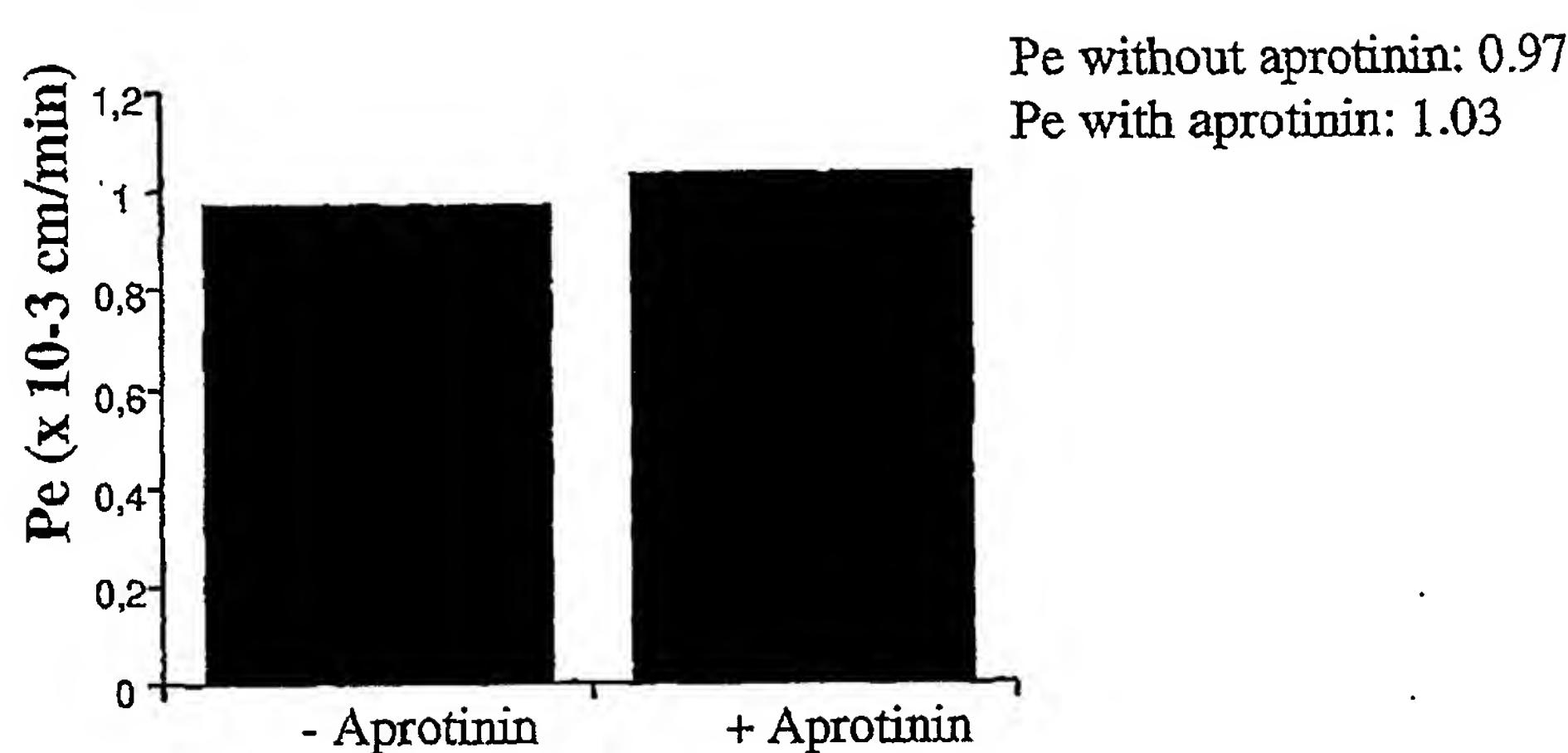


FIG. 6

7/20

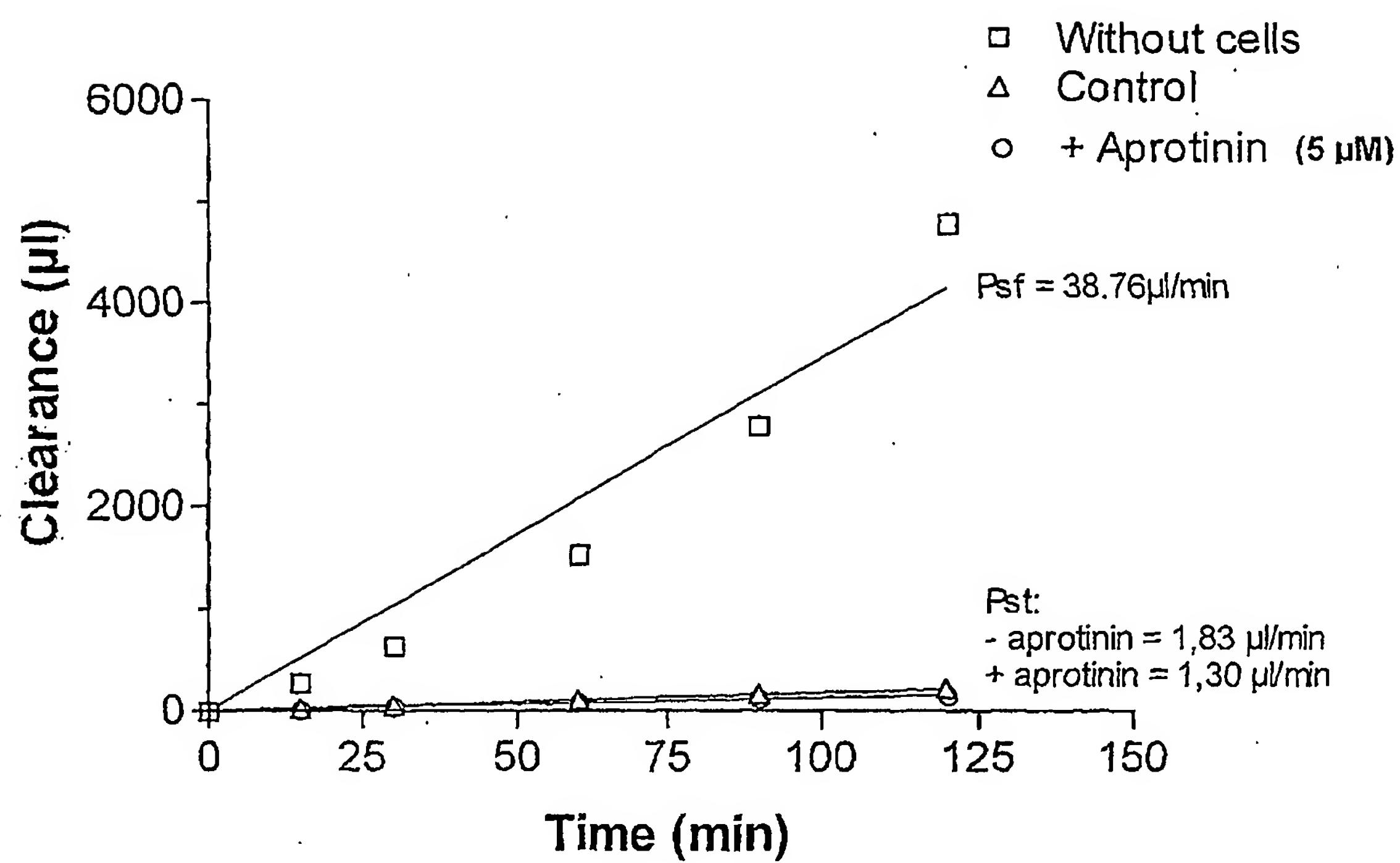


FIG. 7

8/20

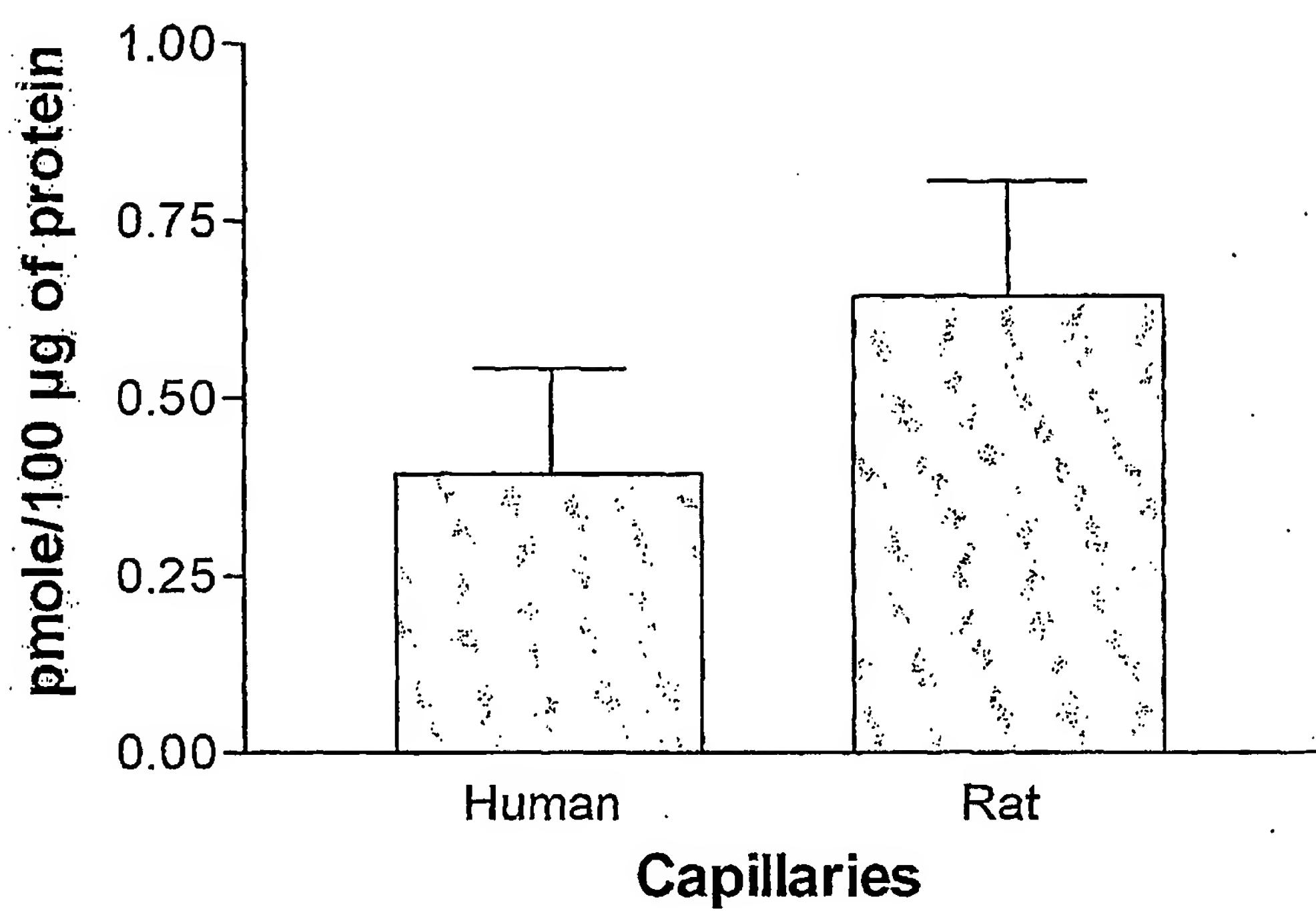


FIG. 8

9/20

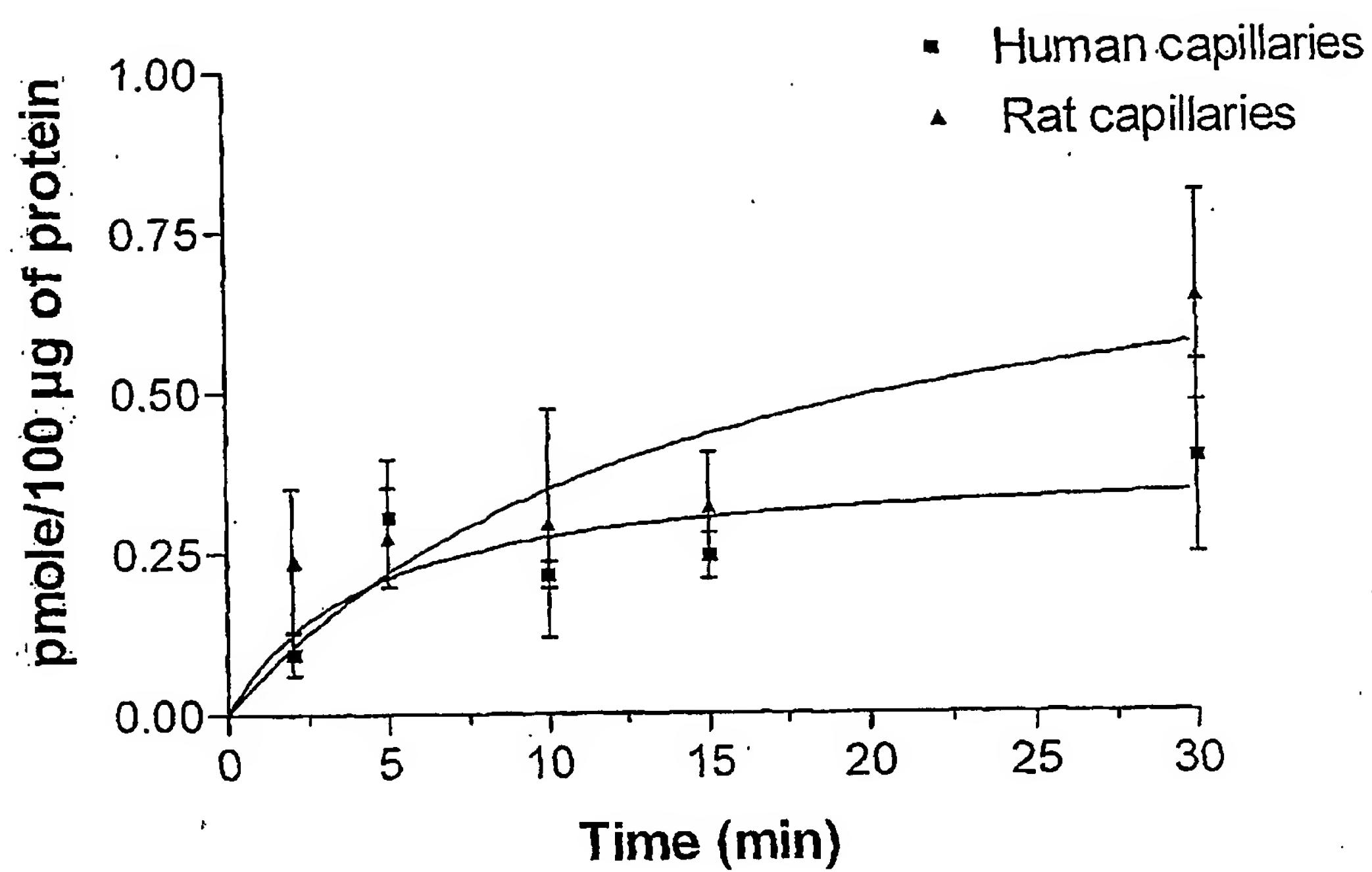


FIG. 9

10/20

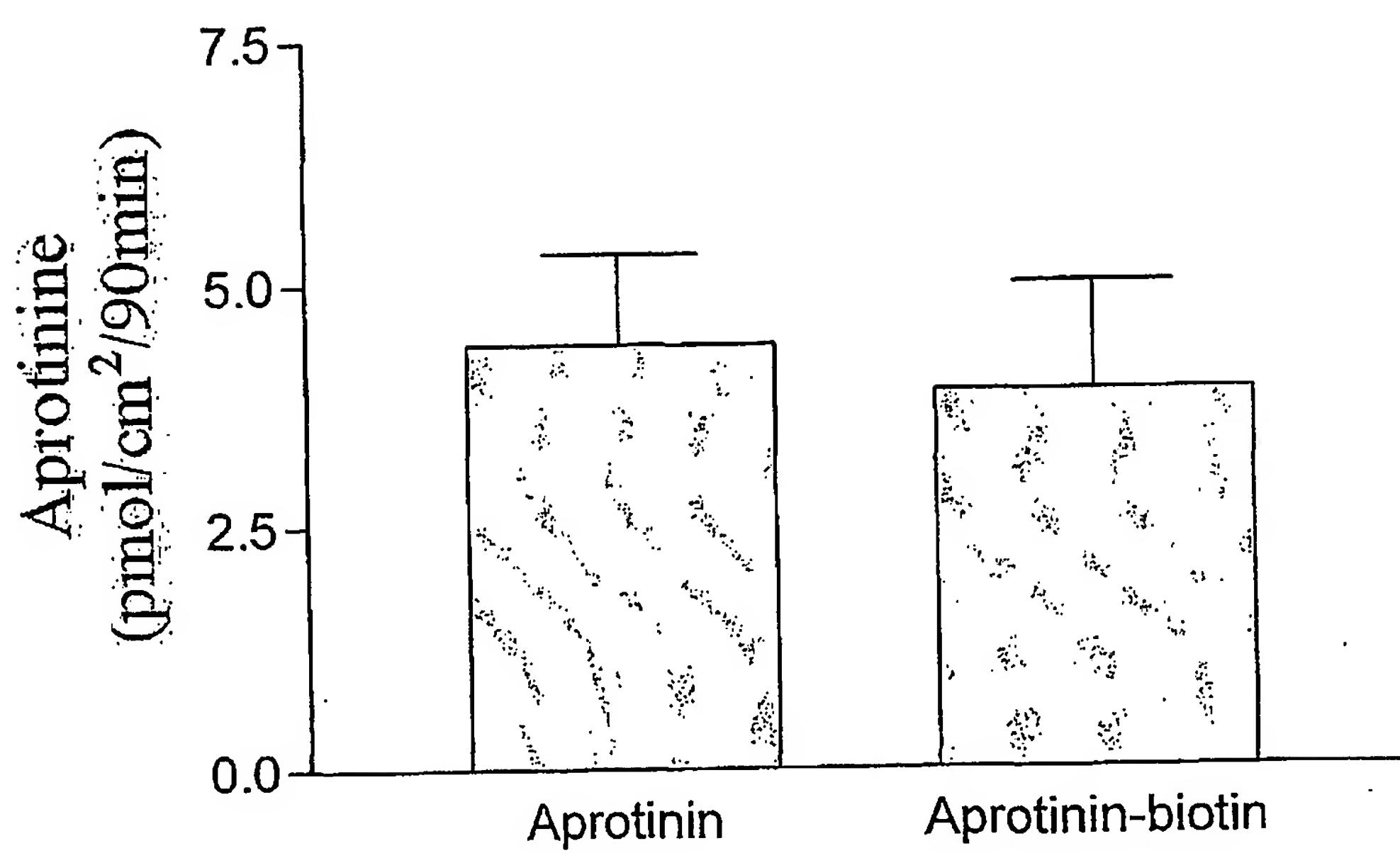


FIG. 10

11/20

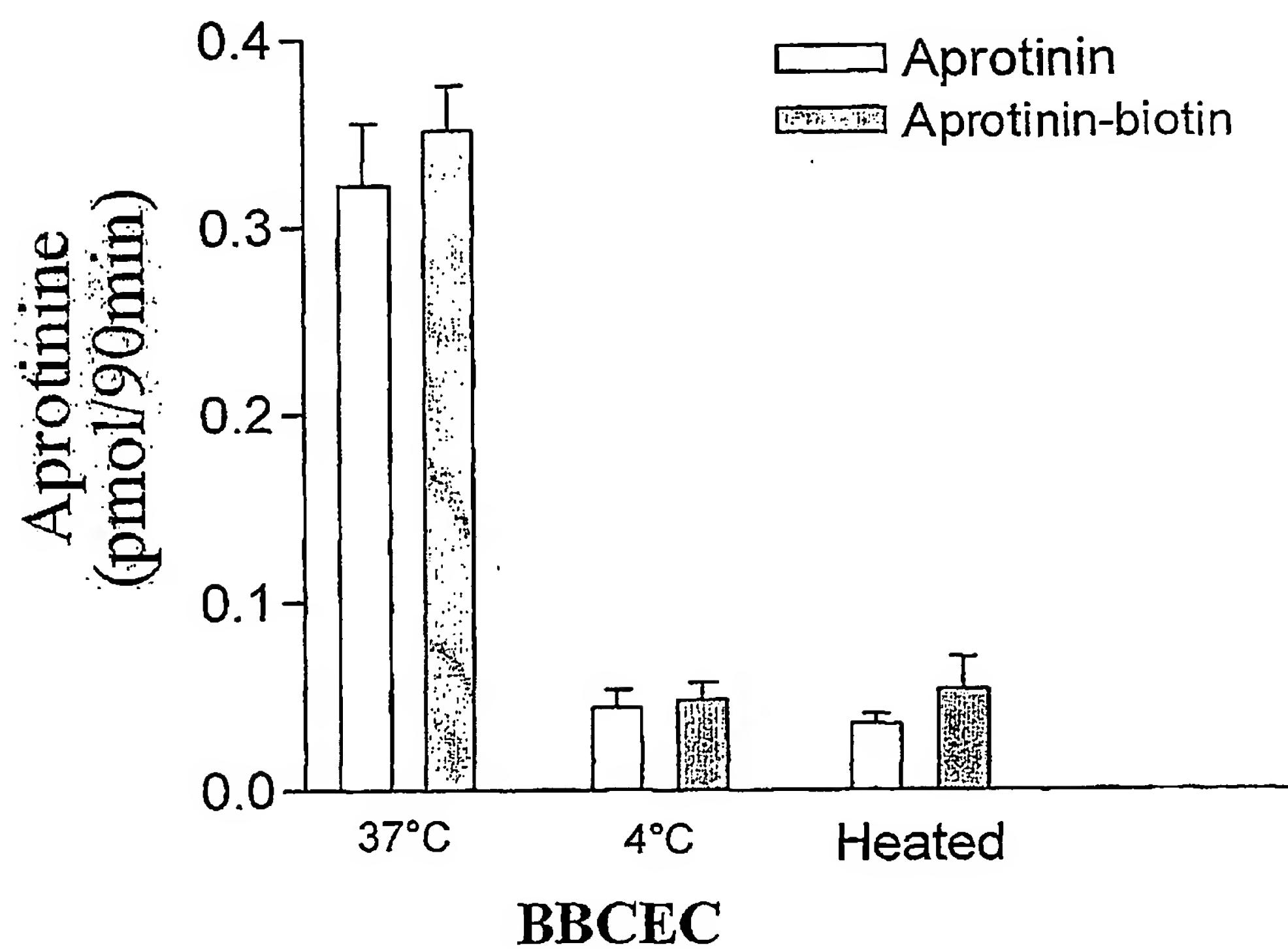


FIG. 11

12/20

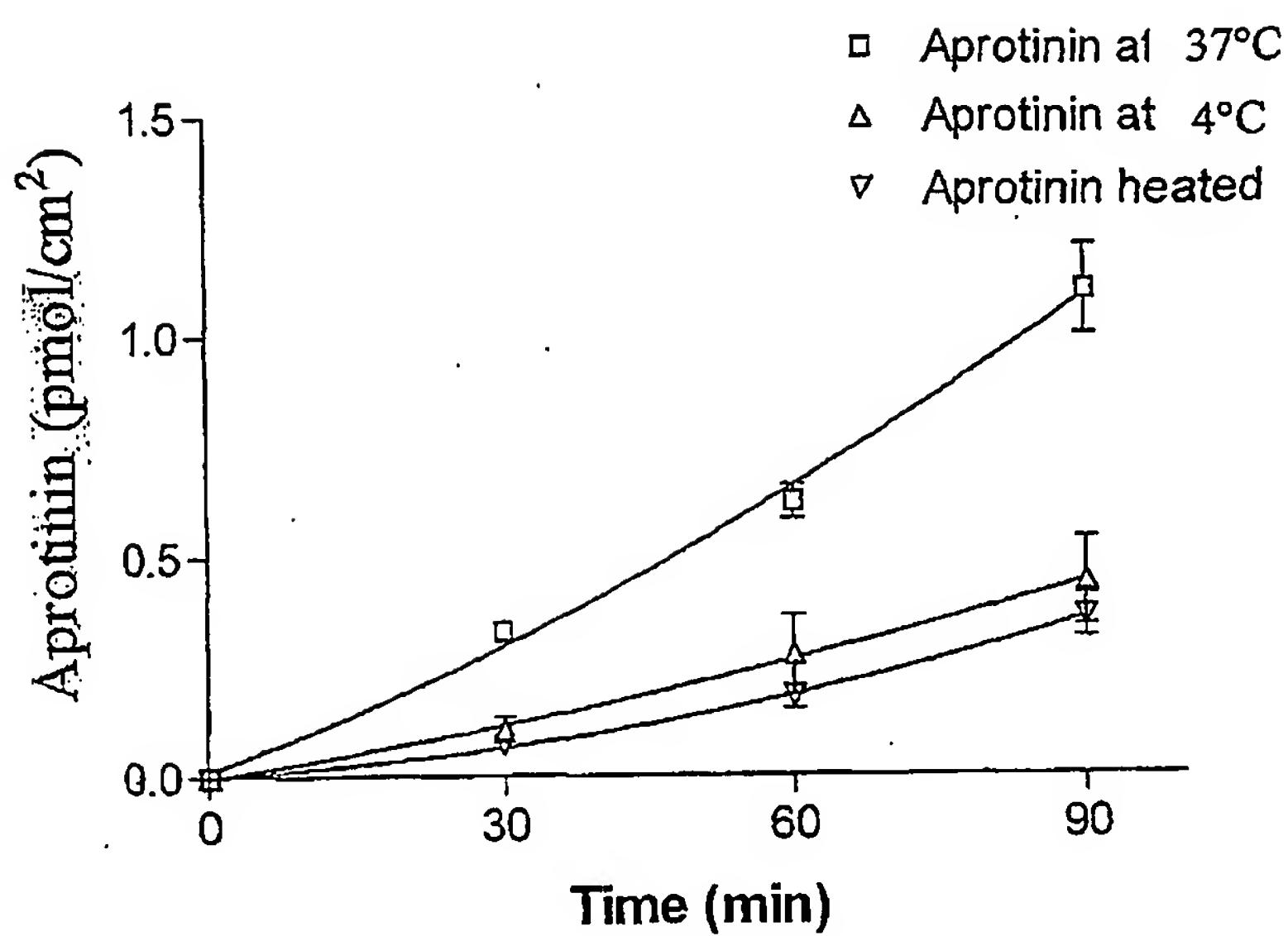


Fig. 12A

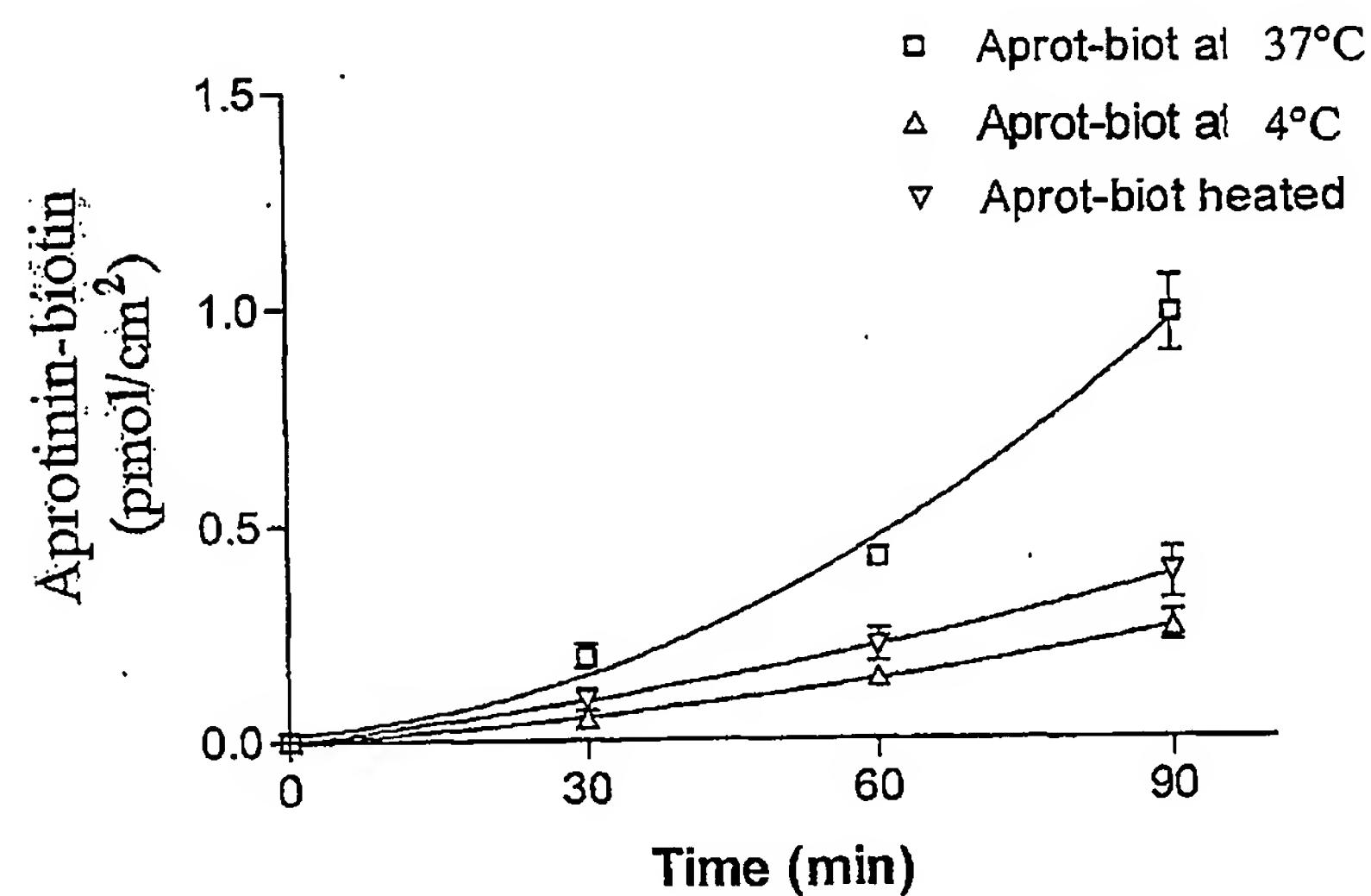


FIG. 12B

13/20

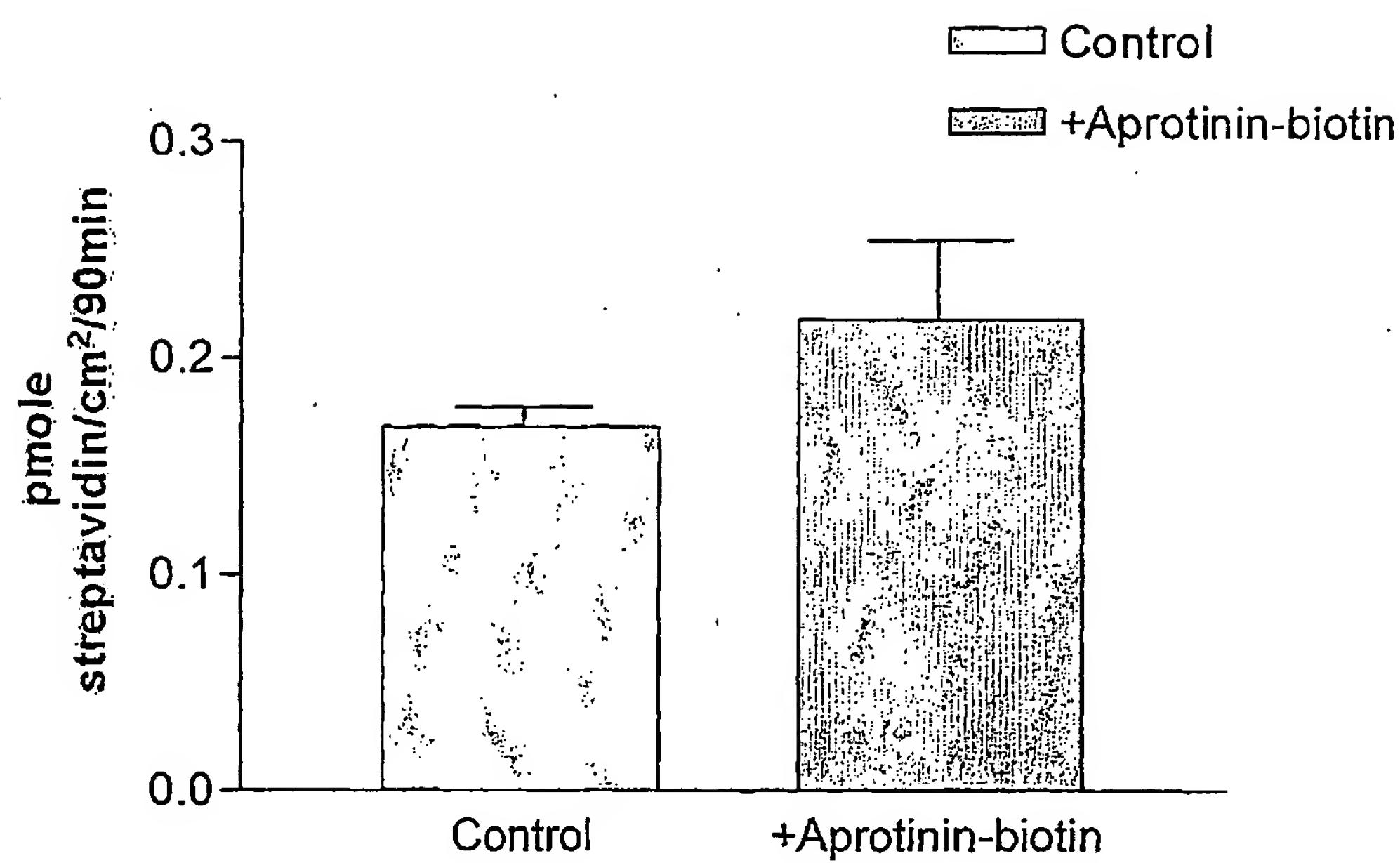


FIG. 13

14/20

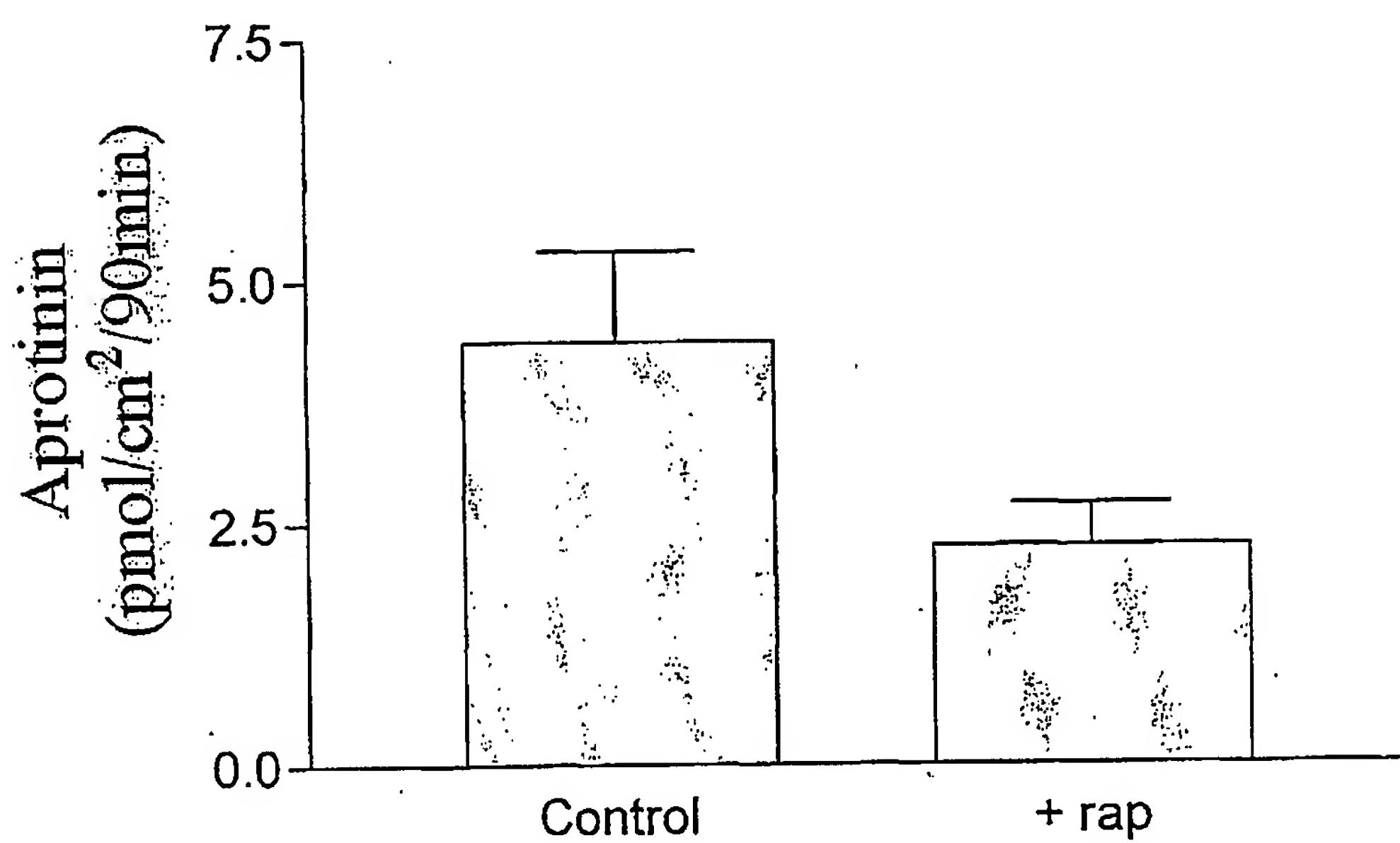
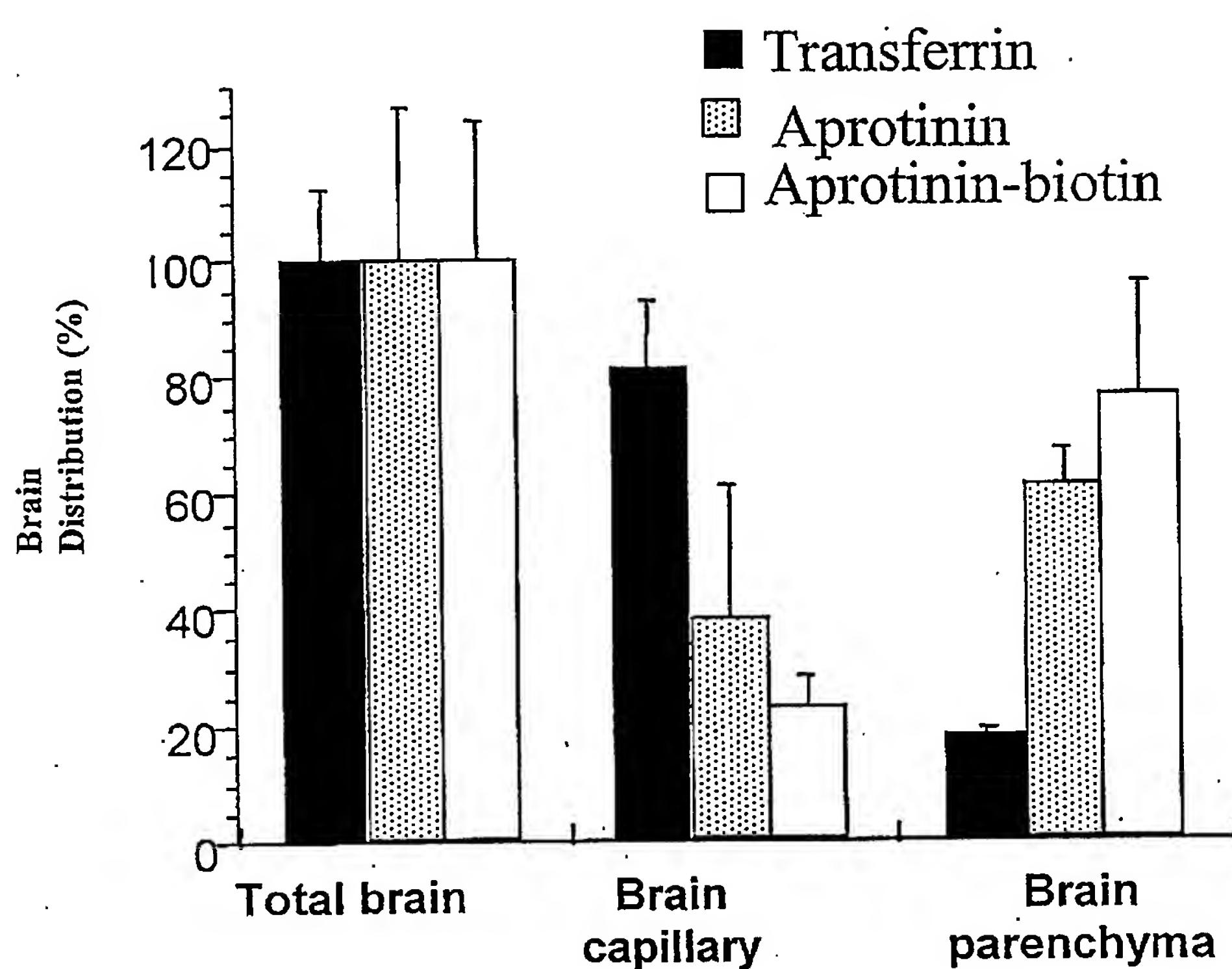


FIG. 14

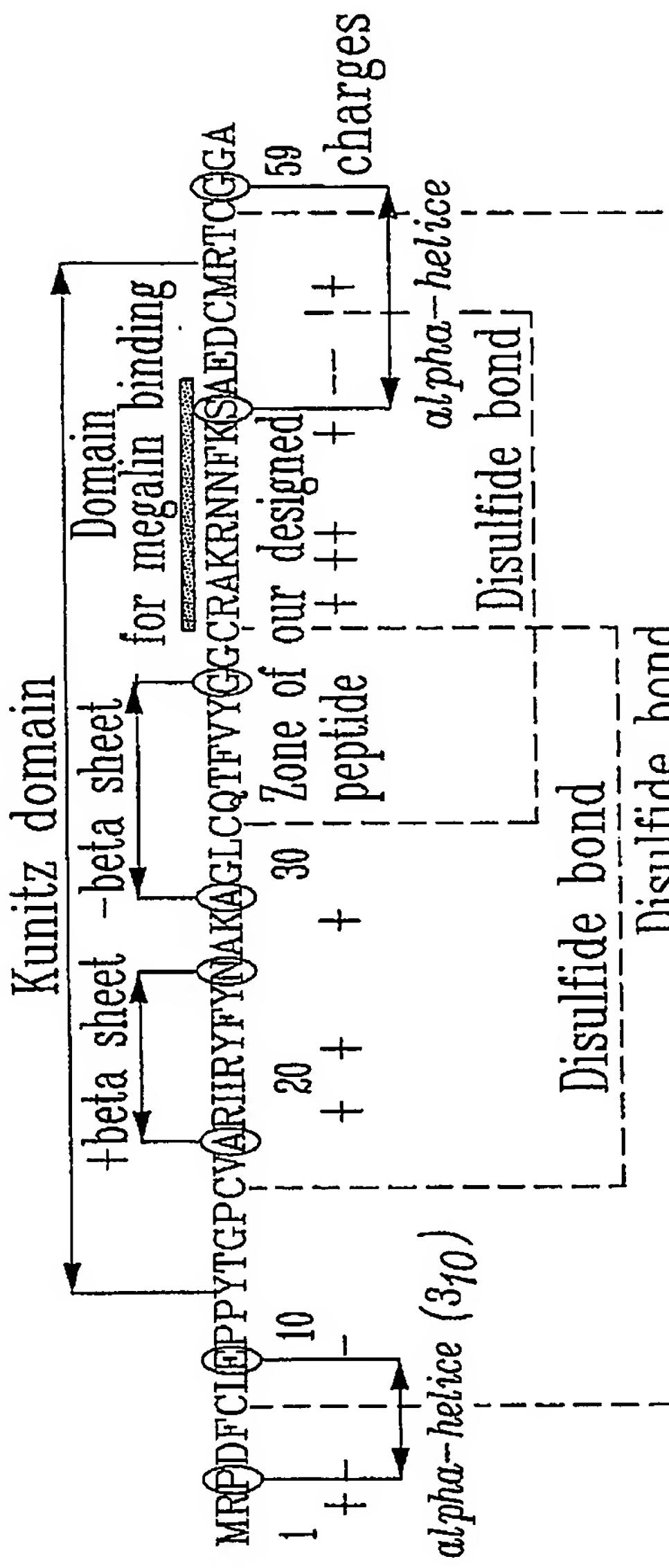


V_D for aprotinin in brain parenchyma = 3 μ l/100 g

FIG. 15

Synthetic-Aprotinin Sequence (net charge + 5)
Protein of 59 amino-acids, 6500 Da:

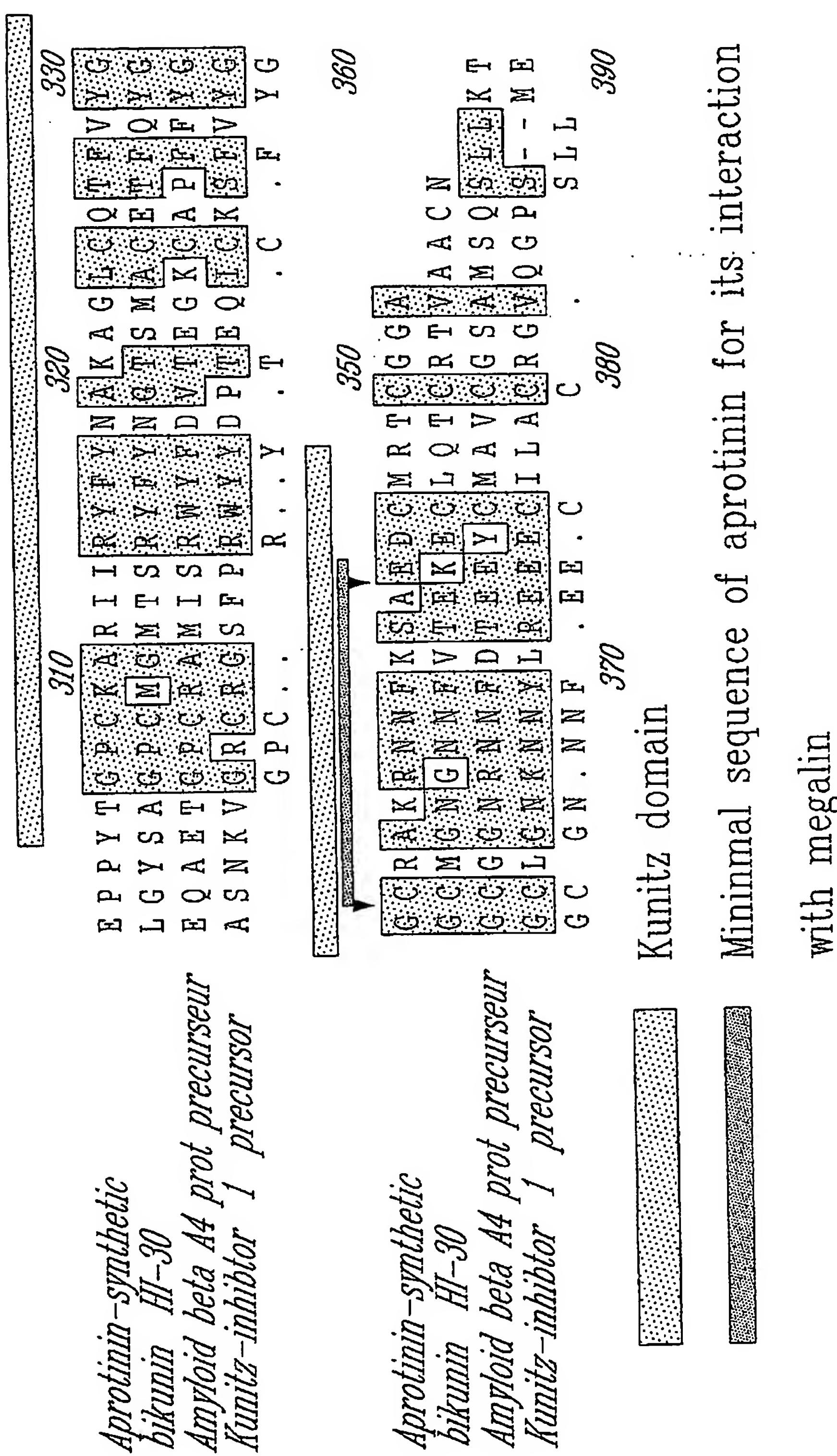
16



- * Zone of our designed peptides
- * 4 nucleophiles amines = 4 potential sites of conjugaison (residue 1,27,42,47)
- * 6 cysteines engaged in disulfides bonds
- * 2 alpha-helices and 2 beta sheets

FIG. 17

Alignment between aprotinin and three human proteins with a similar domain



18/20

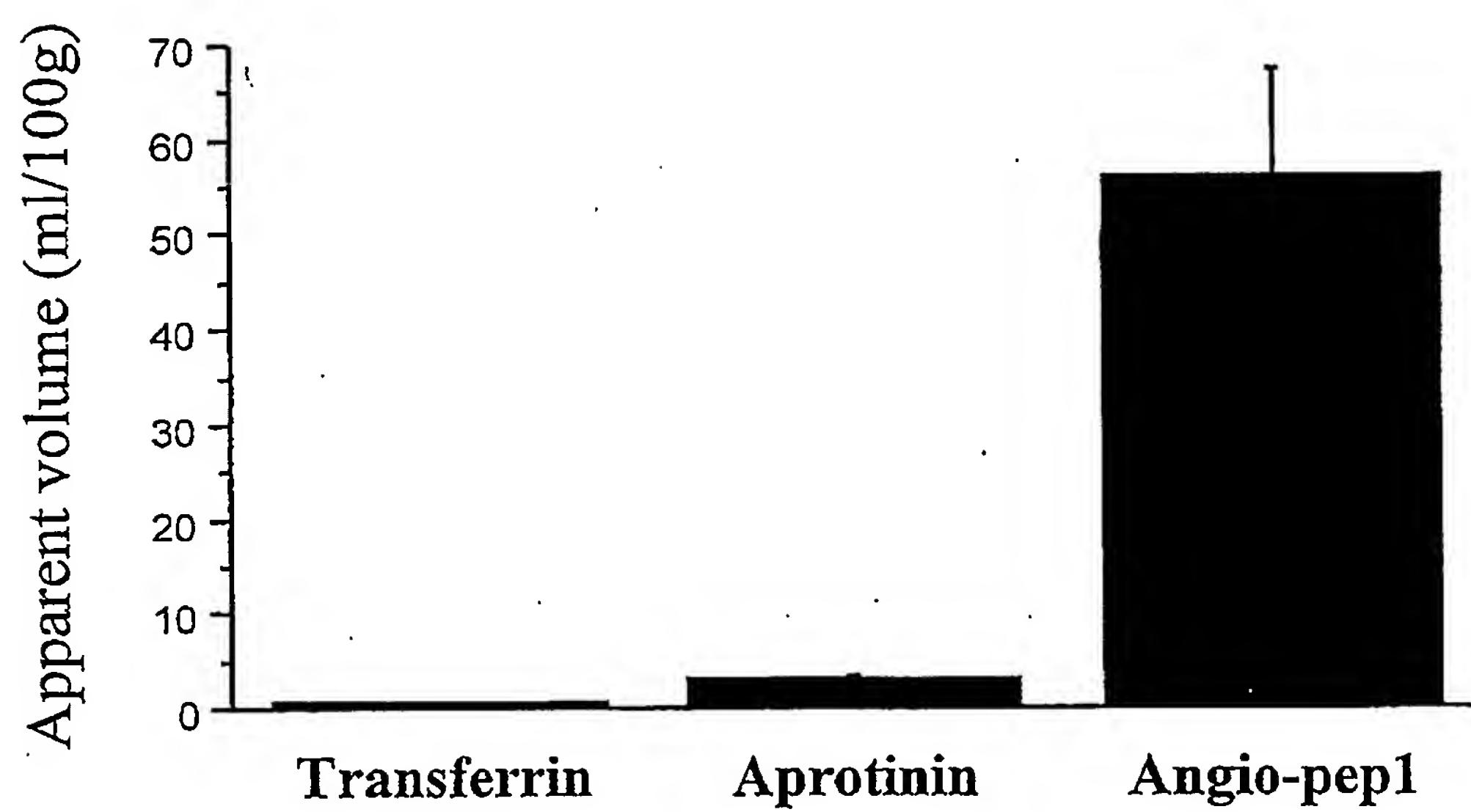
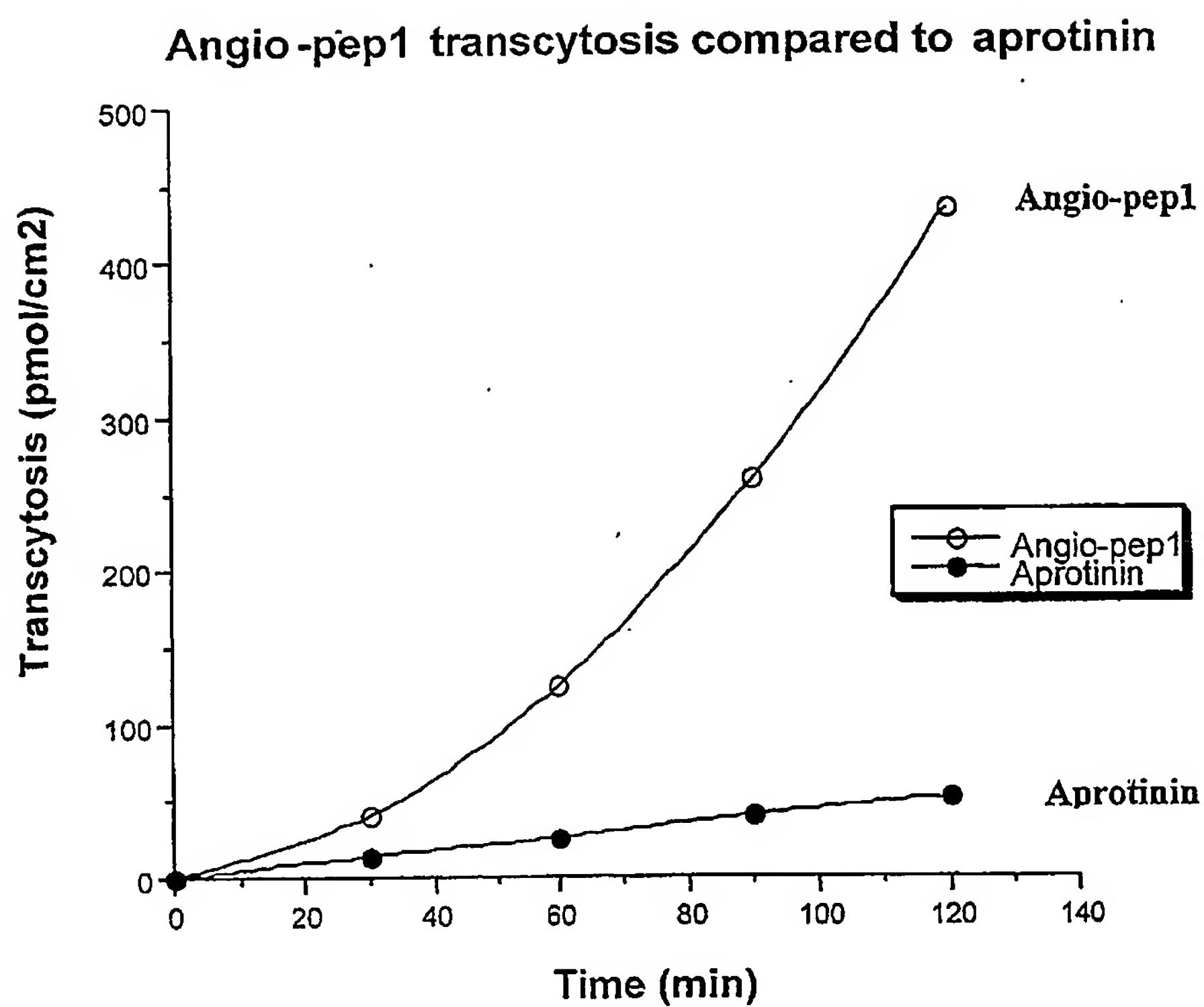


FIG. 18

19/20

**FIG. 19**

20/20

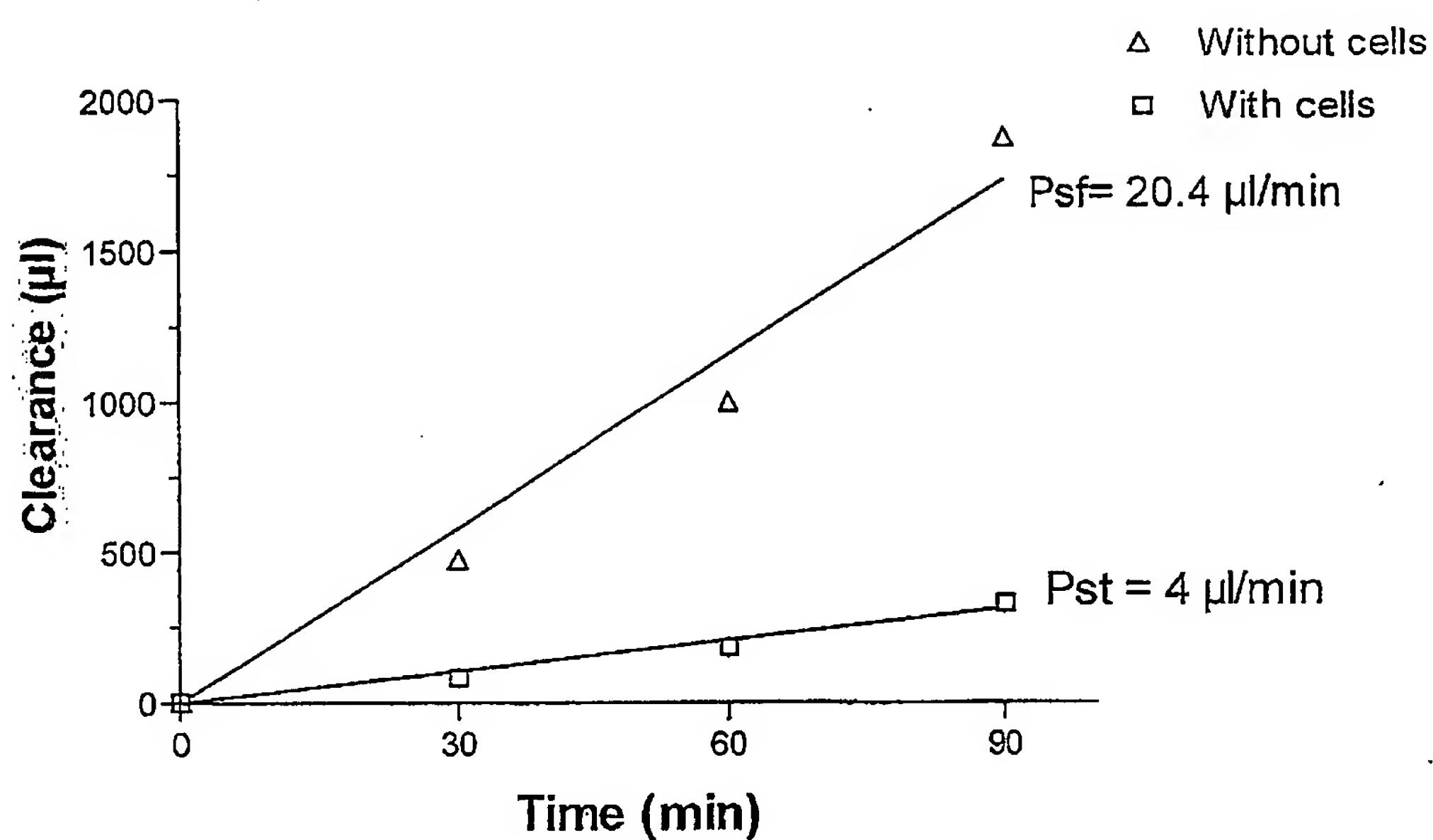


FIG. 20